QADJ versus ESP HYSSR

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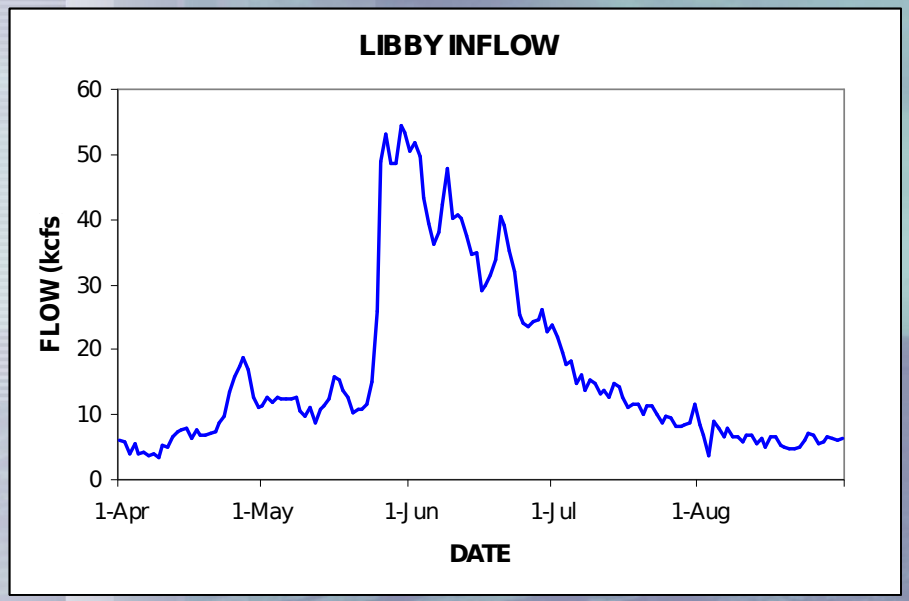
The Basics

- The QADJ run and ESP HYSSR are actually output from the same model (HYSSR model) but with different inflow assumptions.

Types of Inflow Forecasts

Inflow Hydrograph

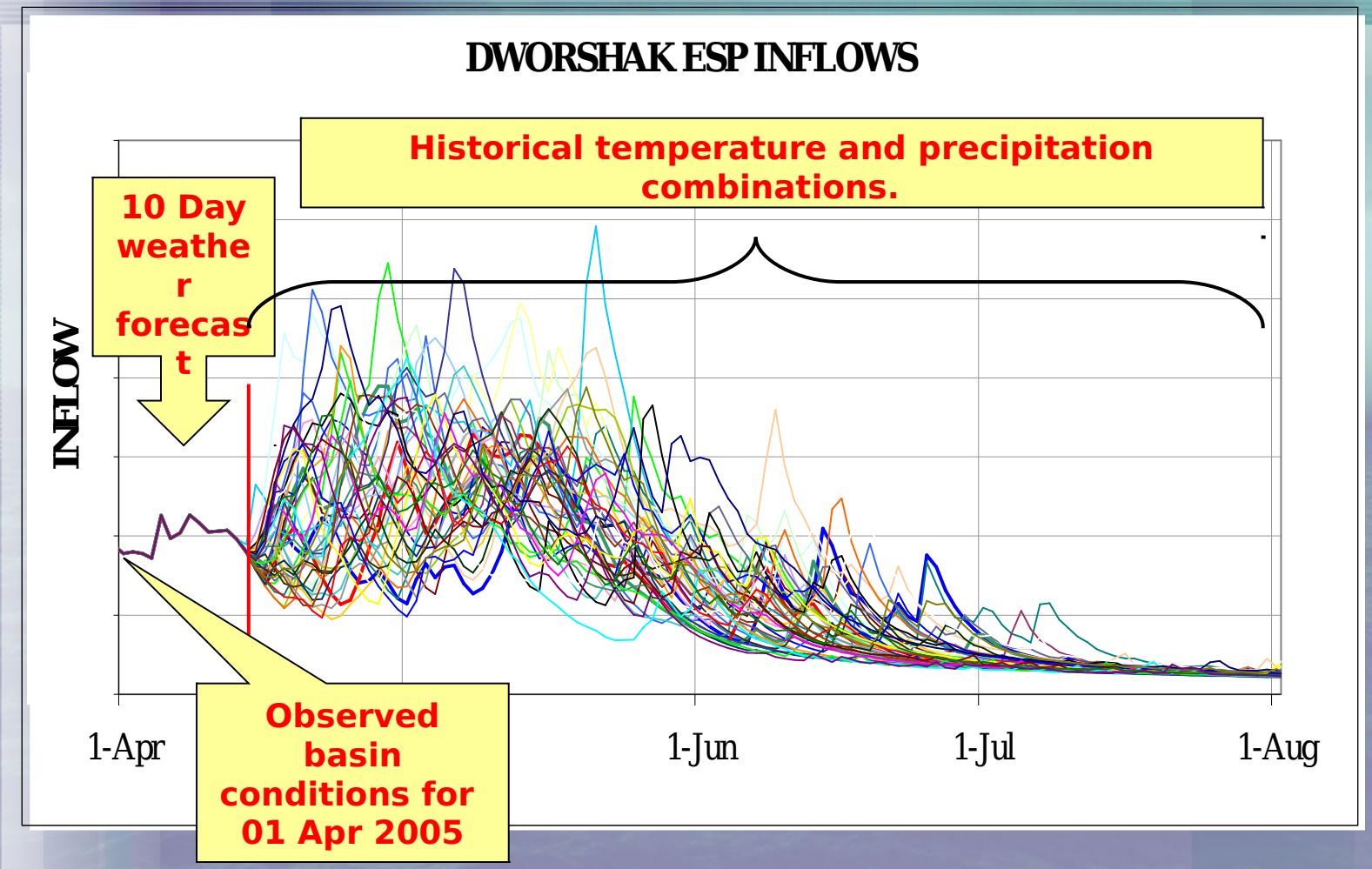


- Has a definite “shape”
- Was generated from a model
- Combines current basin conditions with a weather pattern to generate a response in streamflows

Volume Forecast

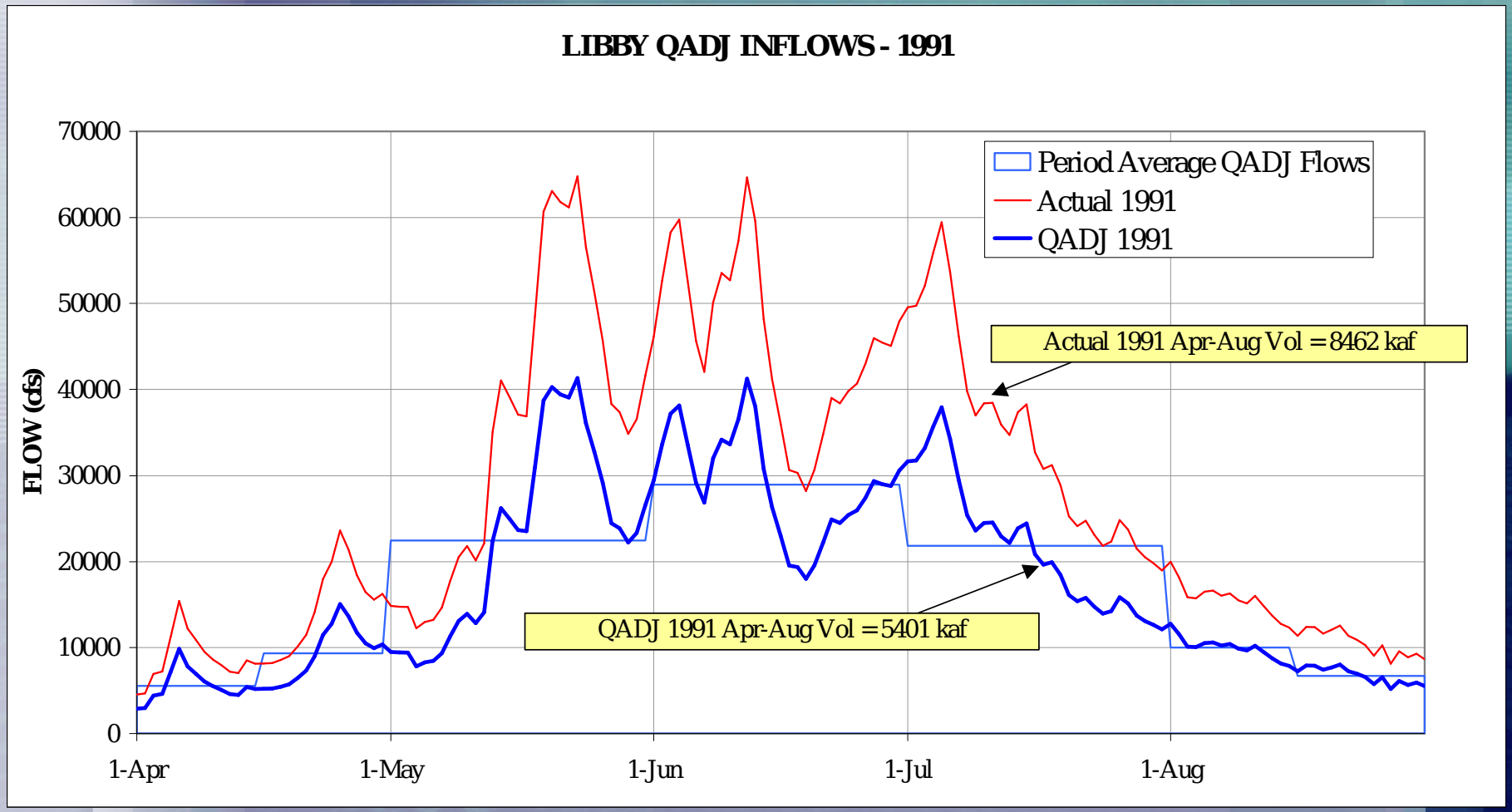
- Is a single number with no assumption as to the “shape” of the flows
- Was generated from a regression equation with the following variables: snowpack, observed rain and runoff and

ESP Inflows (ESP HYSSR)



Current conditions combined with 44 historical weather patterns to produce 44 sets of inflows. Volumes may vary between the 44 years, but are all forecasts for 2005.

QADJ Flows



Current water supply forecast volumes, shaped 69 different ways according to monthly historical flow shapes from 1929 - 1997. The inflow for each year matches the historical shape of

What do QADJ & ESP HYSSR tell us?

QADJ

- Tells us: With the current WSF **how flows could be shaped** and how that shape will affect our modeled operations.

ESP HYSSR

- Tells us: With the current basin conditions, **how could runoff volume change** and how that will impact our modeled operations